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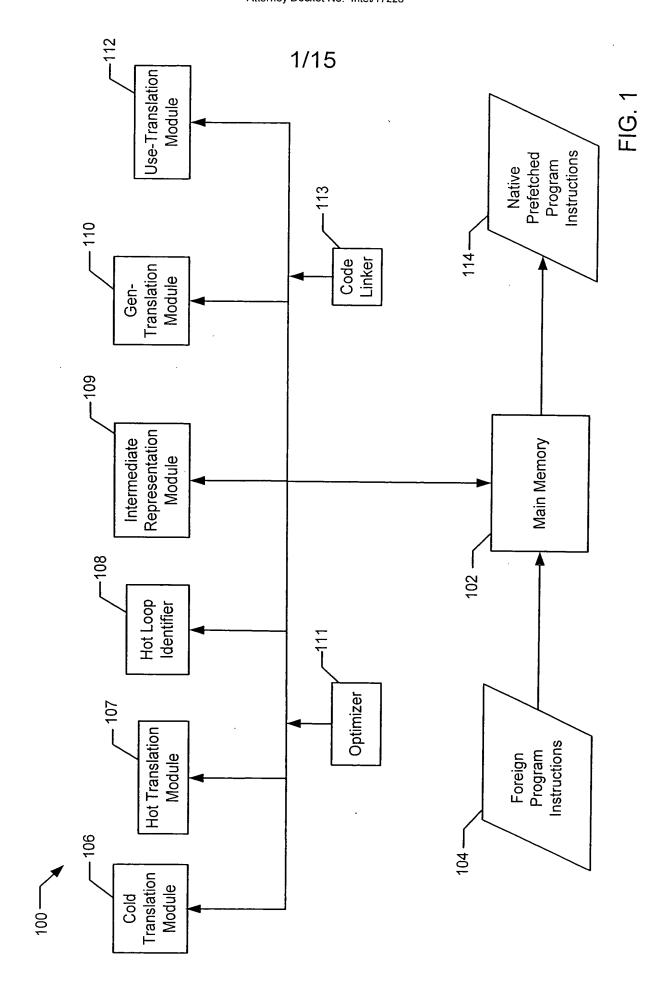
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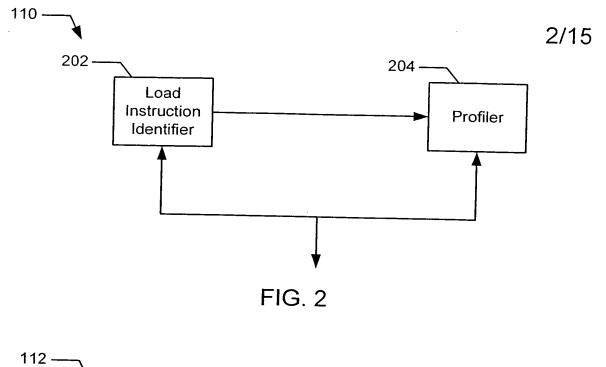
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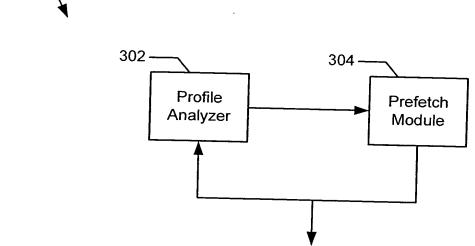
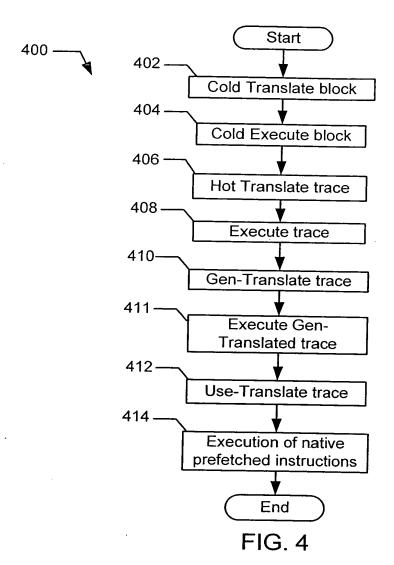


FIG. 3

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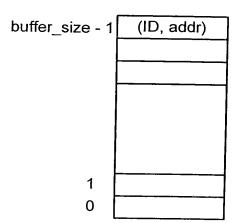


FIG. 15

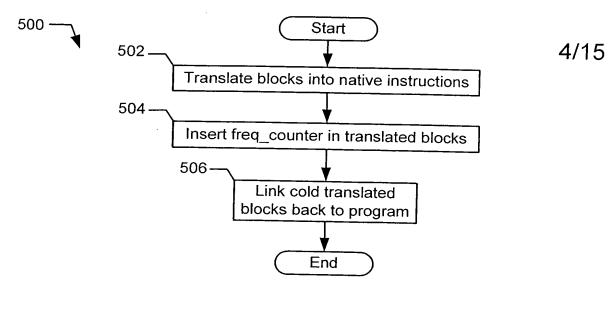


FIG. 5

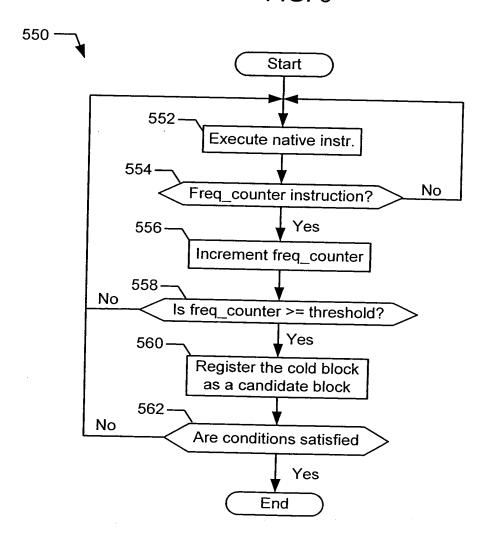


FIG. 6

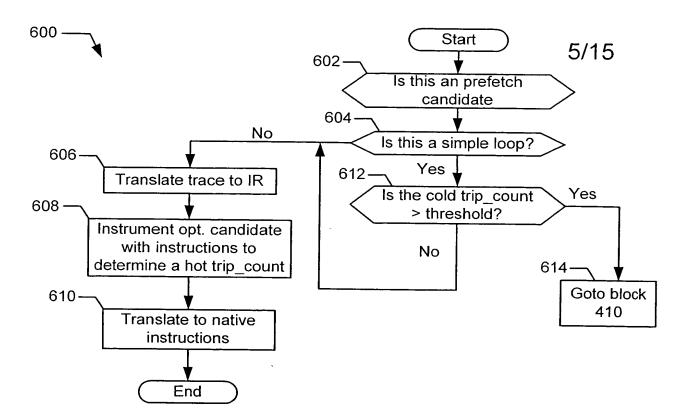


FIG. 7

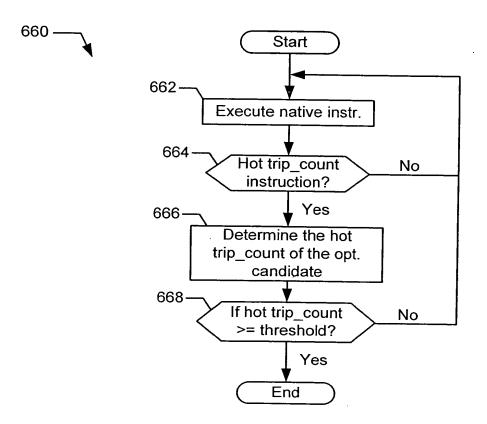


FIG. 9



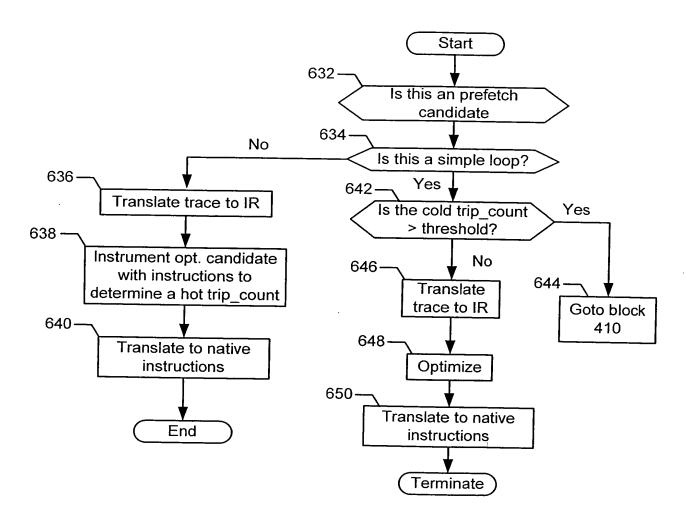
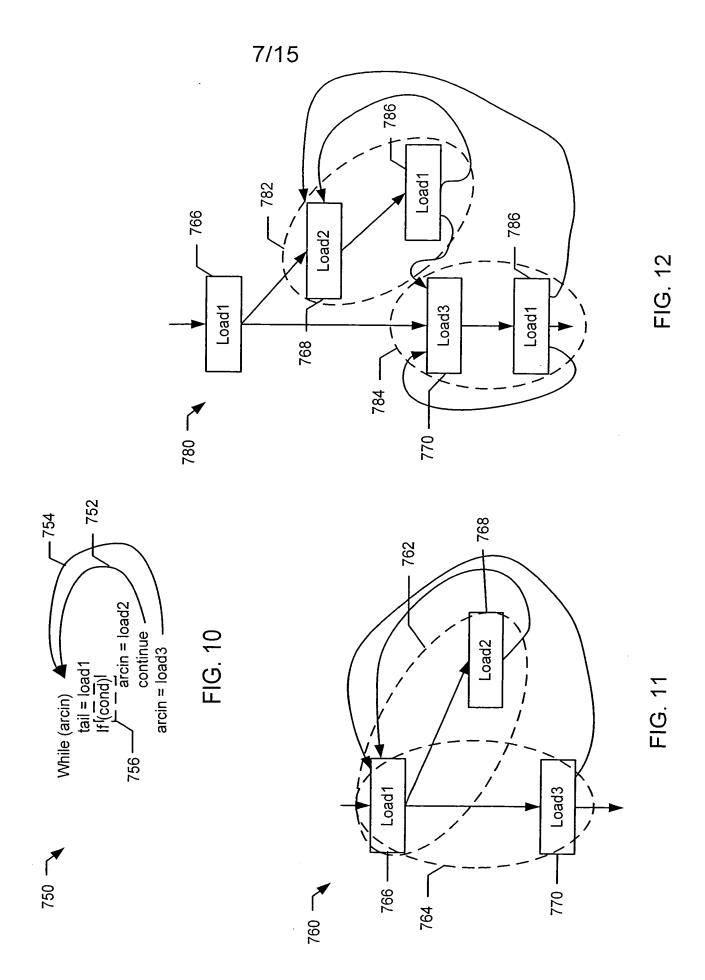
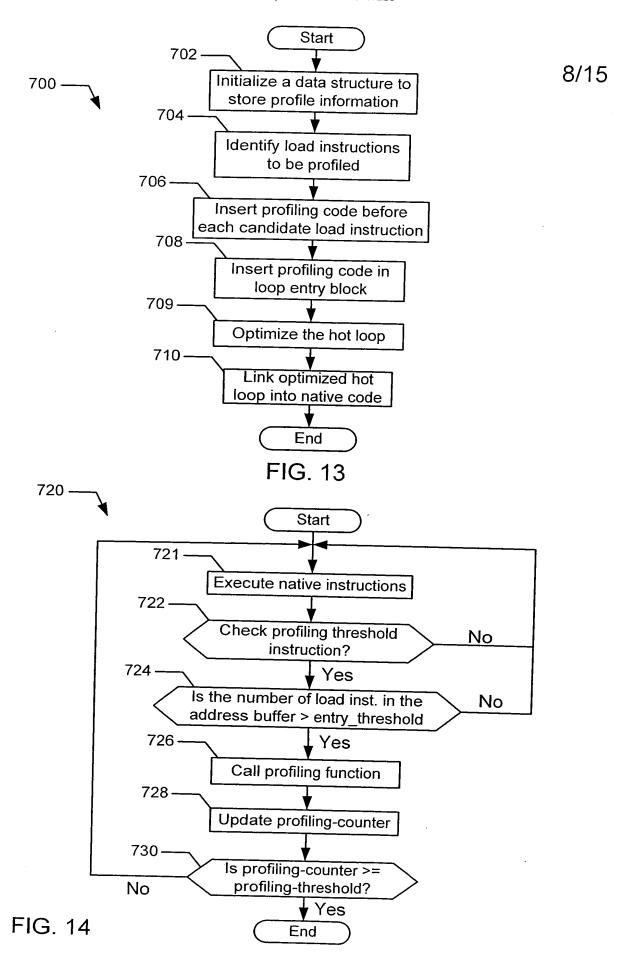
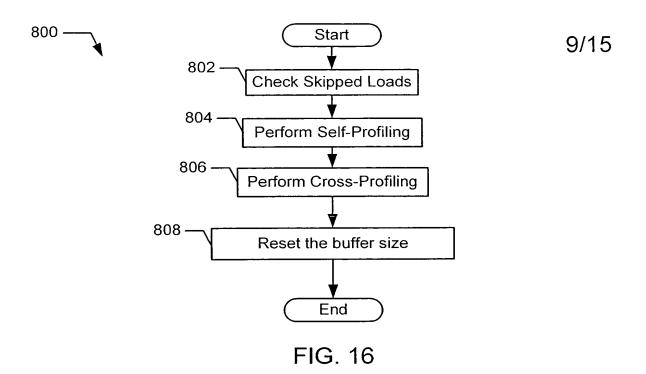
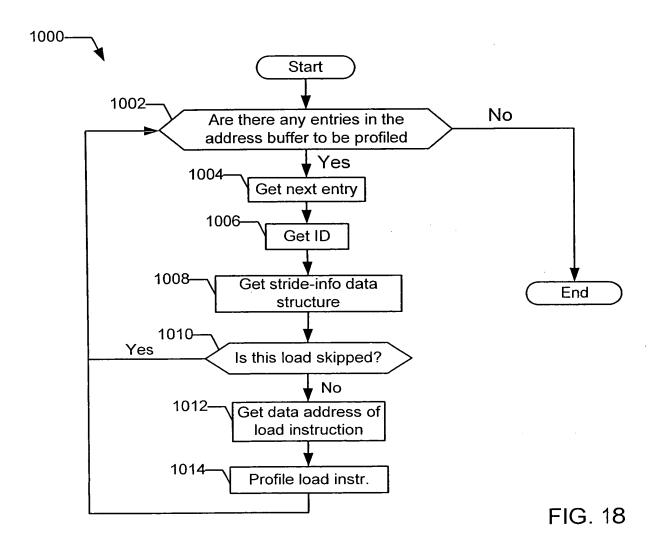


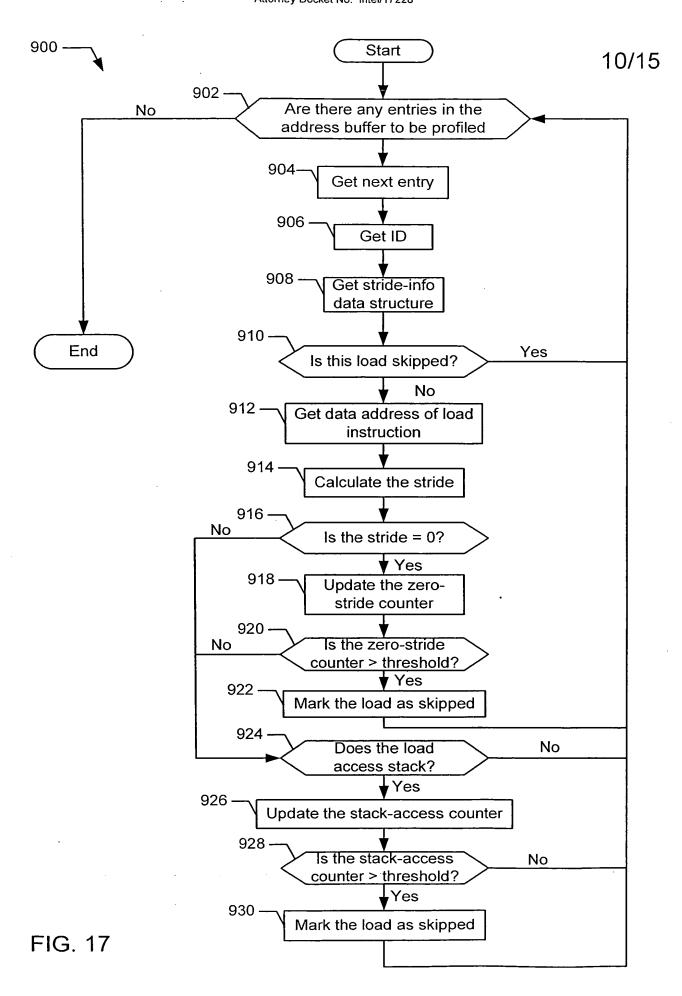
FIG. 8





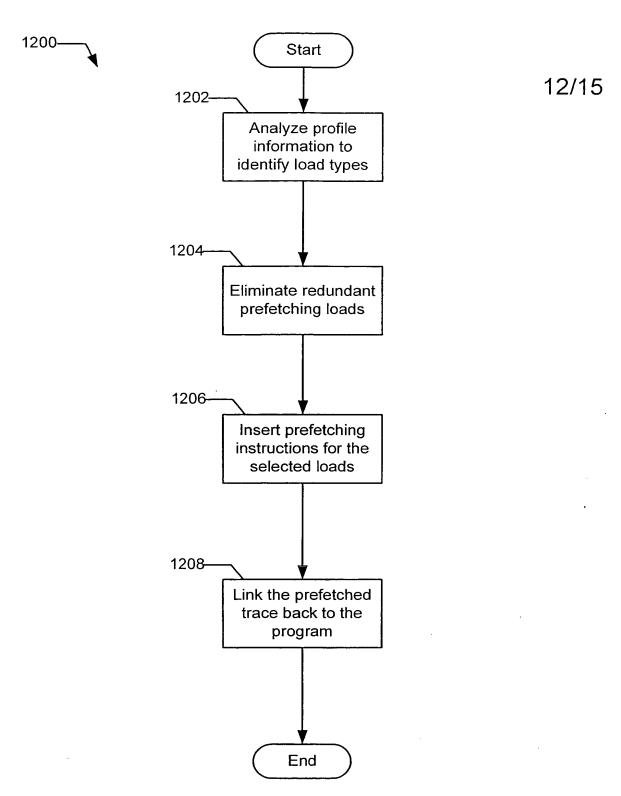




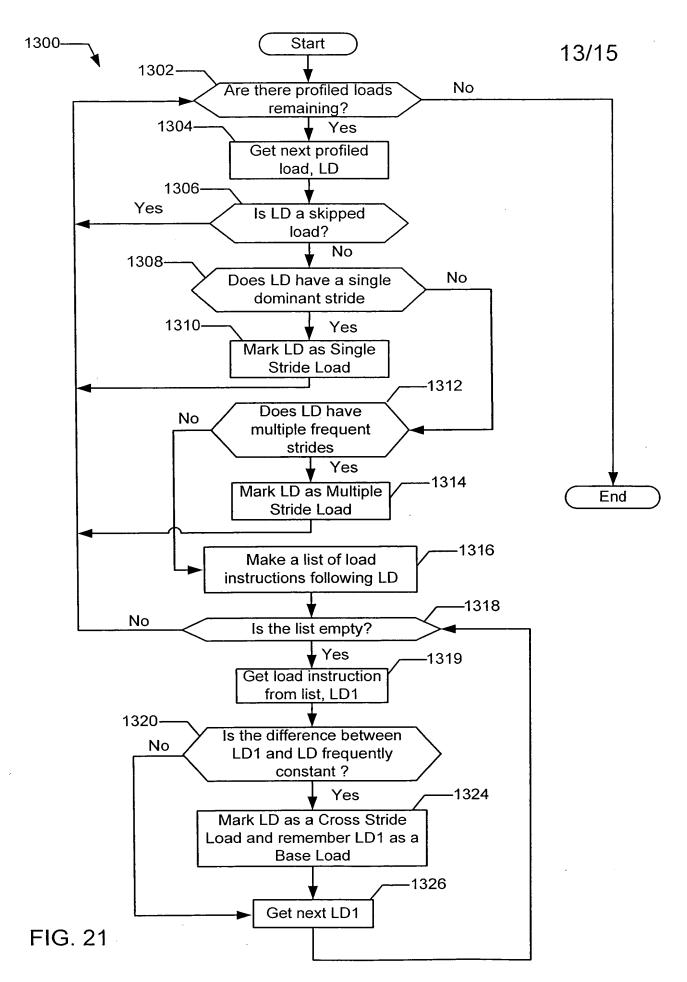


1100-Start 11/15 1102 Are there any entries in the No address buffer to be profiled Yes 1104-Get next load instruction in address buffer, load1 1106-Get ID1 End 1108-Get stride-info data structure 1110-Yes Is load1 skipped? 1112-No, Get data-address1 1114 Are there load instructions following No the load1 Yes 1116-Get the next load instruction, load2 1118 Get ID2 1120-Yes Is ID2 <= ID1 No 1122-Get data-address2 1124 Profile 2 load instr. 1126 Do load2 and load1 instructions No access the same cache line? Yes 1128-Increment samecache-line-counter

FIG. 19







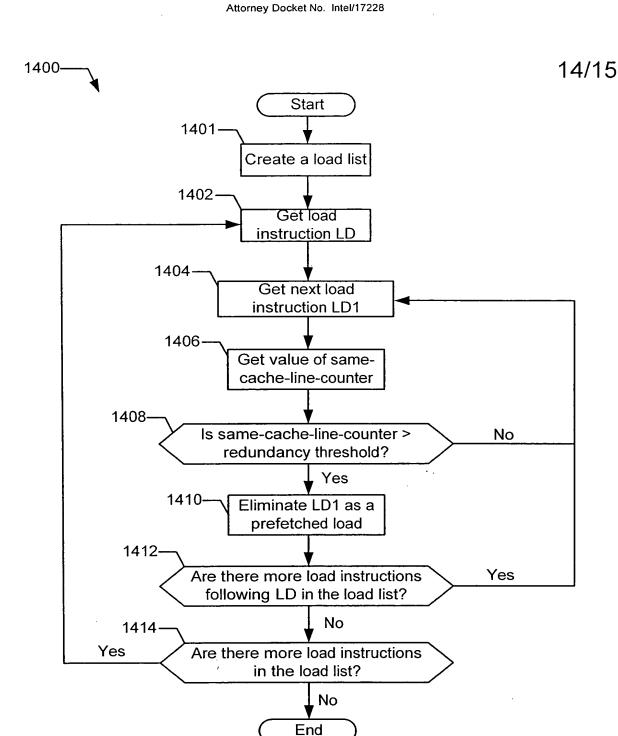


FIG. 22

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